

Shubham Goyal

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PROFESSIONAL SUMMARY

Highly motivated Senior Backend Engineer with 7+ years of experience specialising in building scalable microservice architectures and system design using Python (FastAPI, Django) and leading cross-functional teams. Proven expertise in PostgreSQL, MongoDB, AWS deployment, and modern API development (REST/GraphQL).

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL

Frameworks & Libraries: Django, FastAPI, Node.js, Express, React, Flutter

Databases: PostgreSQL, MongoDB, Redis

Cloud/DevOps & Tools: AWS, Docker, RabbitMQ, Celery, Git, Heroku

WORK EXPERIENCE

Senior Engineer (Backend) @ [Cognavi](#) (April 2023 - Present)

- Architected and deployed a multi-service platform using FastAPI and Docker, which supported **10,000** and handled **2 million daily requests**.
- Designed and implemented new system architecture, resulting in **5%** improvement in latency.
- Led a development team of **10** engineers from concept to deployment on two major product features, ensuring 100% on-time delivery.

Python/Django Developer @ [eoraa.com](#) (May 2021 -March 2023)

- Designed and implemented scalable system architecture for a high-traffic e-commerce platform,
- Optimised database performance in PostgreSQL by implementing advanced indexing and query optimisation.
- Developed and integrated both REST and GraphQL APIs to facilitate front-end consumption and third-party integrations.
- Served as Backend Lead, defining technical roadmap and mentoring junior developers.
- Managed cross-functional teams to align backend development with product goals.

Research Intern @ [Ezmata Technologies](#) (Jan 2020 - Mar 2020)

- Created VMware servers and monitored their use.
Product Used: VMware Workstations, ESXI, VMware vSphere
Tech Used: Telnet, Packet Tracer

Google Summer of Code - 2019 @ [LibreOffice](#) (Mar 2019 - Aug 2019)

Did Project '[QR Code Generation](#)' in LibreOffice under program GSoC'19.

- Report -
<https://22shubh22.github.io/2019/08/21/libreoffice-gsoc-2019-qr-code-generator.html>

Contract Developer (October 20 - April 21)

- Developed two client-facing mobile apps using Flutter and Firebase Platform (for stores and store sellers).
 - Managed the product lifecycle, successfully translating client business requirements into technical specifications.
<https://play.google.com/store/apps/details?id=com.bilaspur.stores>
<https://play.google.com/store/apps/details?id=com.bilaspur.storeseller>
<https://github.com/tc2n/secohand/>
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PERSONAL PROJECTS:

Docease: Designed a React/FastAPI/SQL tech stack for a CRM to help manage clinics.

Convocation Betting App (July 22)

A bidding app

Link: <http://convocation-22-smvdu.herokuapp.com/>

Source: <https://github.com/22shubh22/convocation-22>

Tech - Django, Heroku

EDUCATION

Bachelor of Technology, Computer Science and Engineering - Shri Mata Vaishno Devi University
2016 - 2020

LEADERSHIP & ACTIVITIES

- Participated in Hackathon (FossOverflow, IIT Bhilai).
- Mentored and instructed students on competitive programming concepts as a supporting lecturer for the University Coding Club.